



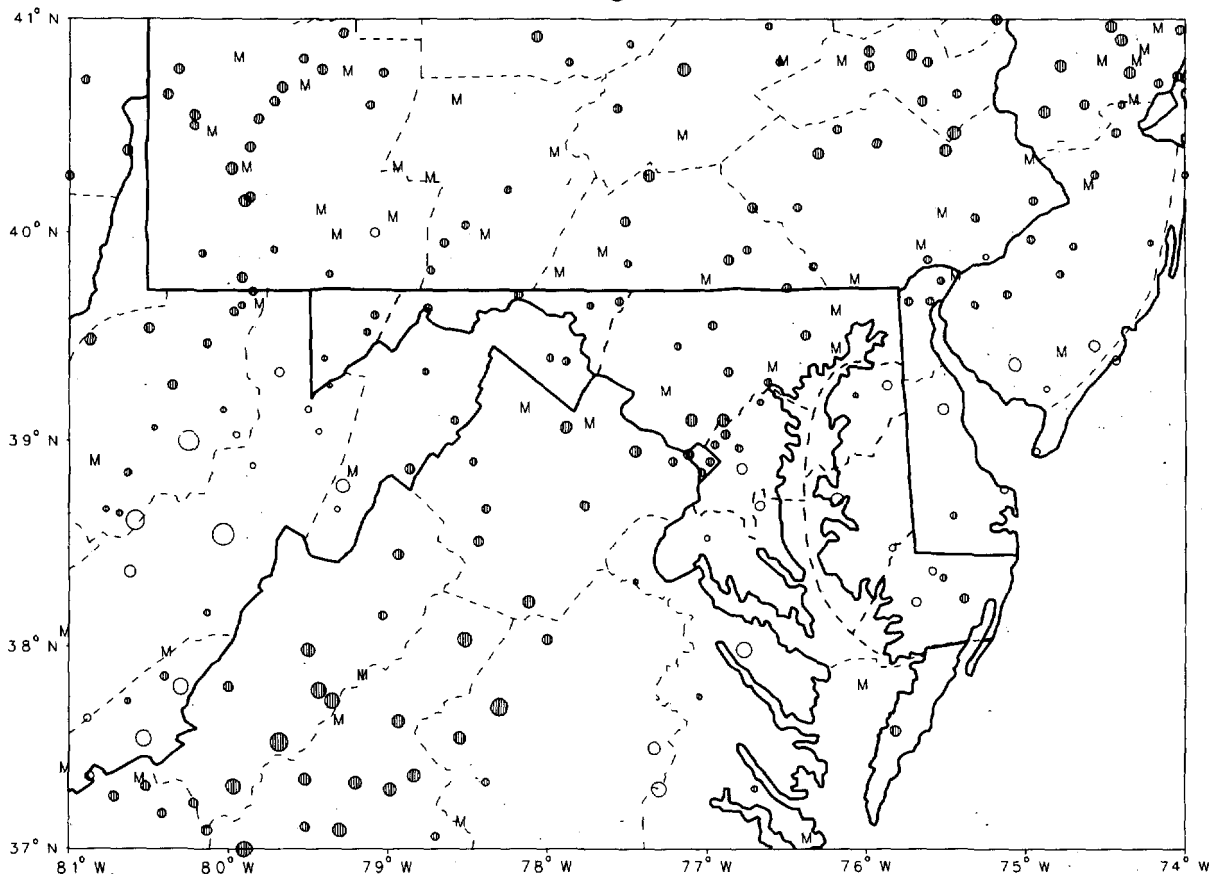
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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

NOVEMBER 1992
VOLUME 96 NUMBER 11

MONTHLY PRECIPITATION DEPARTURE FROM
INDIVIDUAL STATION NORMALS (1951-1980)

- M INCOMPLETE DATA FOR THE MONTH
- ∇ EXACTLY NORMAL
- ○ ○ ○ ○ 5, 10, 20... 50% OR MORE BELOW NORMAL
- ● ● ● ● 10, 20, 40... 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). IT IS COMPILED USING INFORMATION FROM WEATHER OBSERVING SITES SUPERVISED BY NOAA/NATIONAL WEATHER SERVICE AND RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER (NCDC), ASHEVILLE, NORTH CAROLINA 28801."

Kenneth D. Walden

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
NOVEMBER 1992

MARYLAND
 HIGHEST TEMPERATURE 76
 LOWEST TEMPERATURE 12
 GREATEST TOTAL PRECIPITATION 6.73
 LEAST TOTAL PRECIPITATION 2.69
 GREATEST 1 DAY PRECIPITATION 2.50
 GREATEST TOTAL SNOWFALL 4.5
 GREATEST DEPTH OF SNOW OR ICE 2

DELAWARE
 HIGHEST TEMPERATURE 76
 LOWEST TEMPERATURE 22
 GREATEST TOTAL PRECIPITATION 4.67
 LEAST TOTAL PRECIPITATION 2.93
 GREATEST 1 DAY PRECIPITATION 1.27

NOVEMBER 23+
 NOVEMBER 16

NOVEMBER 23
 NOVEMBER 16

NOVEMBER 23
 NOVEMBER 9

NOVEMBER 3

3 STATIONS
 OAKLAND 1 SE
 EMMITSBURG 2 SE
 UPPER MARLBORO 3 NNW
 EMMITSBURG 2 SE
 MC HENRY 2 NW
 MC HENRY 2 NW

LEWES
 NEWARK UNIVERSITY FARM
 WILMINGTON PORTER RSVR
 DOVER
 GREENWOOD 2 NE

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)								
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW SLEET			NO. OF DAYS			
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
MARYLAND																						
SOUTHERN EASTERN SHORE 01																						
ASSATEAGUE IS NATL SEA	56.8	39.9	48.4		71 24	22 17	493	0	0	0	6	0	4.51									
PRINCESS ANNE	56.1	39.9	50.7	2.7	74 23	22 17	429	0	0	0	9	0	2.84	-1.40	1.85	3						
SALISBURY	56.3	40.4	50.7	1.2	75 23	22 17	430	0	0	0	9	0	3.66	-2.40	1.01	3						
SALISBURY FAA ARPT	56.2	39.2	49.1	1.4	76 23	22 17	474	0	0	0	10	0	2.60	-1.08	2.78	2						
SNOW HILL 4 N	56.2	41.1	50.2	1.7	76 23	22 17	444	7	0	0	8	0	4.84	1.46	2.72	2						
--DIVISIONAL DATA-->																						
			49.8	.9									3.74	.55								
CENTRAL EASTERN SHORE 02																						
ROYAL OAK 2 SSW	56.0	42.0	49.0	.1	70 23	27 9	472	0	0	0	4	0	2.87	-.86	.71	3	T	T				
VIENNA	60.1M	41.0	50.6M	1.6	75 24+	27 9	428	2	0	0	7	0	3.15	-.17	.90	3		T				
--DIVISIONAL DATA-->																						
			49.8	1.3									3.01	-.52								
LOWER SOUTHERN 03																						
LA PLATA 1 W	58.1	40.7	49.4	2.1	72 23	26 30	459	1	0	0	7	0	3.16	-.04	.58	3						
MECHANICSVILLE 5 SE	57.3	39.6	48.5		73 23	23 16	490	0	0	0	7	0	3.14		.74	3						
OWINGS FERRY LANDING	56.3	39.8	48.1	.2	72 23	23 16	504	1	0	0	7	0	2.87	-.46	.61	3						
--DIVISIONAL DATA-->																						
			48.7	.7									3.06	-.28								
UPPER SOUTHERN 04																						
ANNAPOLIS POLICE BRKS	55.7	39.4	47.6		72 23	26 16	519	0	0	0	7	0	3.36		.79	3		T	T			
BALTIMORE WSO ARPT	55.7	38.6	47.2	.9	74 3	24 16	529	0	0	0	8	0	3.44	.33	.91	2		T	T			
BELTSVILLE	55.6	38.0	46.8	1.8	71 4	24 16+	537	0	0	0	7	0	4.32	1.35	1.35	2		T	T			
COLLEGE PARK	55.8	40.2	48.0	1.1	72 4	26 9+	503	0	0	0	7	0	4.08	.98	1.20	2		T	T			
DALECARLIA RESERVOIR	57.3	29.0	43.2	-3.8	72 23+	16 20+	645	0	0	0	21	0	4.97	1.82	1.45	2		T	T			
GLENN DALE BELL STN	57.0	36.5	46.8	-1.5	72 3	20 16	541	0	0	0	8	0	4.38	1.04	1.44	2		T	T			
LAUREL 3 W	55.9	36.4	46.2	-1.3	72 3	20 17	558	0	0	0	10	0	6.05	2.65	1.17	2		T	T			
NATIONAL ARBORETUM DC	55.7	38.6	47.2	-.9	72 4	25 16	529	0	0	0	7	0	4.14	1.06	1.35	2		T	T			
UPPER MARLBORO 3 NNW	55.3	38.6	47.0		71 24+	23 16	533	1	0	0	8	0	2.69	-.47	.72	3						
--DIVISIONAL DATA-->																						
			46.7	.1									4.16	1.03								
NORTHERN EASTERN SHORE 05																						
CHESTERTOWN	55.4	36.8	46.1	-.9	72 12+	23 9	558	0	0	0	10	0	3.54	-.08	.64	2		T	T			
MILLINGTON 1 SE	56.2	38.8	47.5	1.4	73 23	23 16+	520	2	0	0	8	0	3.03	-.44	.73	2			T			
--DIVISIONAL DATA-->																						
			46.8	-.2									3.29	-.11								
NORTHERN CENTRAL 06																						
ABERDEEN PHILLIPS FIEL					71 3	23 16		1	0	0	4	M	4.29		1.33	3						
BALTIMORE CITY					76 3	29 16	452				3		4.30		1.19	2						
BENSON POLICE BARRACKS	55.6	42.8	49.7	2.5	70 23+	25 9	506	0	0	0	7	0	5.92	2.03	1.62	2						
CATOCTIN MOUNTAIN PARK	48.9	34.6	41.8		65 4	20 16	693	0	0	0	15	0	5.17		1.43	2						
CLARKSVILLE 3 NNE	55.9	36.8	46.4		71 3	20 16+	553	0	0	0	9	0	5.58		1.80	2						
CONOWINGO DAM																						
EMMITSBURG 2 SE	52.1	36.6	44.4		70 3	22 16+	613	0	0	0	8	0	6.73		2.50	2						
FREDERICK POLICE BRKS	52.3	39.9	46.6		69 3	27 16+	544	0	0	0	6	0	4.50		1.20	2						
MILLERS 4 NE	51.8	37.2	44.5		68 3	21 9	607	0	0	0	9	0	4.37		1.30	3						
ROCKVILLE 1 NE	53.3	38.5	45.9	-.4	69 3	24 16	565	0	0	0	7	0	5.31	2.25	1.40	2						
TOWSON																						
UNIONVILLE	53.3	35.6	44.5	1.3	69 3	17 16	611	0	0	0	9	0	3.61	.52	1.15	3						
WESTMINSTER POL BRKS	53.1	37.9	45.5	1.2	69 4	25 9	575	0	0	0	9	0	4.56	1.35	1.30	3						

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
WOODSTOCK	54.7	36.9	45.8	1.1	71	3	21	9	569	0	0	0	8	0	4.77	1.49	1.37	23	T	T		8	4	2
--DIVISIONAL DATA-->			45.7	.5										4.98	1.63			.0						
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	52.8	35.8	44.3	.2	71	3	21	16+	614	0	0	0	10	0	3.91	.90	.95	3	.0	T	0	7	3	0
FROSTBURG 2	45.1	32.8	39.0		64	3	17	17	776	0	0	0	10	0	4.06		1.22	3	2.7	T	0	7	3	0
HAGERSTOWN	51.6	36.7	44.2	-.1	64	3	23	17+	620	0	0	0	7	0	3.59		1.05	23	.0	T	0	7	3	1
HANCOCK	52.6	34.6	43.6	-.8	73	4	19	16+	635	0	0	0	9	0	3.69	1.02	.81	3	.0	T	0	7	3	0
--DIVISIONAL DATA-->			42.8	-.8										3.66	.92			.7						
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	45.0	32.0	38.5		66	5	15	17+	786	0	0	7	16	0	3.63		.93	3	4.5	T	16	8	2	0
OAKLAND 1 SE	49.5	32.8	41.2	2.0	70	2	12	16	705	0	0	1	14	0	3.02	.08	.60	3	4.1	T		10	2	0
SAVAGE RIVER DAM	47.8	33.4	40.6	.3	65	3	17	17+	724	0	0	1	2	0	2.87	.52	1.09	3	T	T		7	1	1
--DIVISIONAL DATA-->			40.1	1.0										3.24	.24			2.9						
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM	54.4	38.2	46.3	.5	72	12	22	9	554	0	0	0	8	0	4.33	1.14	1.10	3	.0	T	0	10	4	2
WILMINGTON WSO ARPT	54.9	39.4	47.2	1.6	72	12	26	16+	527	0	0	0	8	0	4.27	.94	.73	23	T	T	0	8	3	0
WILMINGTON PORTER RSVR	53.1	39.9	46.5	1.3	70	2	28	16+	548	0	0	0	8	0	4.67	.91	1.10	3	.0	T	0	9	5	1
--DIVISIONAL DATA-->			46.7	.9										4.42	1.04			.0						
SOUTHERN 02																								
DOVER	54.8	40.8	47.8	-.4	68	13+	24	16	513	1	0	0	6	0	2.93	-.60	.45	2	.0	T	0	9	0	0
GEORGETOWN 5 SW	59.0	38.7	48.9	1.7	75	24	23	17	478	2	0	0	8	0	3.92	.63	1.15	3	.0	T	0	11	2	1
GREENWOOD 2 NE	55.7	38.9	47.3		73	23	25	16+	523	1	0	0	8	0	3.24		1.27	3	.0	T	0	4	2	1
LEWES	57.3M	43.0	50.2M	2.2	76	23	29	17+	443	6	0	0	5	0	3.24	-.25	1.18	3	.0	T	0	5	1	1
--DIVISIONAL DATA-->			48.6	.8										3.33	-.04			.0						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN EASTERN SHORE 01																																
ASSATEAGUE IS NATL SEA	4.51	*	*	1.10		.39	.03	.01					.44		.01									.13			*	*	2.50	.03		
PRINCESS ANNE	2.84			.85		.45	.06						.55										.05		.10		.49	.21				
SALISBURY	2.87	.02	.05	1.01		.37	.06						.40										.06		.08		.66	.13	.04		.00	
SALISBURY FAA ARPT	3.66	.04	.10	1.05	.01	.45						.31	.27										.05		.06		1.08	.24	T			
SNOW HILL 4 N	4.84	T	.04	.91	T	.32	.04					T	.70											.25	T	.03	2.27	.20	.08			
CENTRAL EASTERN SHORE 02																																
ROYAL OAK 2 SSW	2.87	.04	.13	.71		.57	.21	T				T	.36		T					T				.13	.02	.40	.27	.03				
VIENNA	3.15		.07	.90	.56	.60	.10		*	.02			.35												.10	.14	.31	.01				
LOWER SOUTHERN 03																																
LA PLATA 1 N	3.16	.05	.24	.58	T	.46	.21	T				T	.03	.42					T	T	T		.46	T		.44	.26	.01				
MECHANICVILLE 5 SE	3.14	.08	.25	.74	T	.42	.20					T	.30						T	.01	T	T	.35	.02	T	.43	.33	.01	T	T		
OWINGS FERRY LANDING	2.87	.09	.23	.61		.37	.24					T	.01	.54					T	.01	.01		.26			.32	.18			.00		
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	3.36	.03	.46	.79		.12	.15					.02	.46		.01				.05	.05	.03		.03	.66		.18	.34	.03				
BALTIMORE WSO ARPT	3.44	.15	.59	.40	.01	.19		T	T			.06	.38	.15	T				.05	.08		.03	.18	.91	.06	.04	.16					
BELTSVILLE	4.32	.04	.35	1.02		.03	.20	.01				.02	.04	.75					.06	.06	.01		.10	1.35		.15	.10	.09				
COLLEGE PARK	4.08	.02	.23	1.04		.09	.16					.04	.71			T			.07	T			.20	1.20		.14	.13	.05		T		
DALECARLIA RESERVOIR	4.97	.04	.47	1.07	.30	.04	.03					.07	.02	.98					.04	.03			.15	1.45		.15	.10	.03				
GLENN DALE BELL STN	4.38	.05	.41	.73	T	.16	.12	.05				.05	.01	.56		T			.06	T			.19	1.44		.14	.17	.24				
LAUREL 3 W	6.05	.15	1.10	1.00	.01	.35						.10	.55	.80					.16	.02	.05	.27	1.17		.08	.07	.13					
NATIONAL ARBORETUM DC	4.14	.05	.26	.90		.02	.26					.08	.67					.03	.03	.02	.01	.05	1.35		.14	.17	.11	.02				
UPPER HARLBORO 3 NNW	2.69	.02	.25	.72		.04	.29					.03	.39						.09	.01		.09	.50		.13	.12	.10					
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	3.54	.01	.29	.53	.01	.33	.05	T				.03	.30	.27		T			.08	T	.03	.46	.64		.15	.27	.09					
MILLINGTON 1 SE	3.03		.26	.61		.24	.22					.01	.41							.10				.73		.18	.15	.12				
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FIEL	M 4.29			1.33	T	.18	.17					*	.04	.98					.12	T	*	*	.95		.11	.30	.11					
BALTIMORE CITY	4.30	.07	.87	.59	.01	.22						.04	.72	.10					.07		.03	.15	1.19		.05	.01	.18					
BENSON POLICE BARRACKS	5.92	.02	.41	1.11		.16	.20	.01				.19	.03	1.21	.01	.04			.23	.02	T	.29	1.62		.12	.11	.12			T		
CATOCTIN MOUNTAIN PARK	5.17	.02	.74	1.39	.01	.12	.01					.14	.48		T				.11	T	.10	.36	1.43		.26				T			
CLARKSVILLE 3 NNE	5.58	.03	.55	1.17	T	.18	.08					.05	T	1.22					.12		.03	.10	1.80			.14	.11				.00	
CONOHINGO DAM	M																															
EMMITSBURG 2 SE	6.73	.10	.90	1.45	T	T	.10					.05	.10	.60					.10		.23	.10	2.50			.30	.10	.10				
FREDERICK POLICE BRKS	4.50	T	.56	1.20	T	.10	.12					.03	.02	.38					.20		.20	.30	1.12			.21	.06					
MILLERS 4 NE	4.37	.02	.48	1.30	T	.15	.07	T				.03	.02	.55		T			T	.14	T	.18	1.25	T		.13	.05	T				
POTOMAC FILTER PLANT	4.68	.15	.70	.52	.03	.28						.10	.22	.73				.05	.07		.01	.43	1.22		.05	.04	.06					
ROCKVILLE 1 NE	5.31	.19	.85	.57	.01	.27	T	T	T			.10	*	1.20				.06	.04		.11	.33	1.40		.08	.04	.06					
TOWSON	M																															
UNIONVILLE	3.61	.05	.49	1.15	T	.10	.10	T				.03	.07	.36		T	T		.09		.03	.16	.76			.17	.05					
WESTMINSTER POL BRKS	4.56	.71	1.30	T	.11	.11		.10				.05	.78						.21		.03	.10	.90			.16	T					
WOODSTOCK	4.77	.03	.52	1.15	T	.22	.07					.06	.05	.87		T			.12		.04	.13	1.37	T		.14		T				
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	3.31	T	.36	.95		.17						.02	.55		T	T			.07	.07		.50	.40			.20						
EDGE MONT	4.56	T	.23	1.17		.19		.01	.01			.04	.61						.01	.09	.02	.57	1.36			.21	.04					
FROSTBURG 2	4.06	.06	.45	1.22		.25		T	.02			T	.02	.88					.07	.07	.02	.38	.32			.24	.02	T	T	T	T	
HAGERSTOWN	3.59	.01	.23	.93		.14						.02	.33						.02	.07	.07	.01	.59	1.05		.19						
HANCOCK	3.69	.02	.41	.81		.04	.15					.03	.29							.02	.07	.03	.73	.79		.21	.02	.07				

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	TOTAL	DAY OF MONTH																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	3.63	T	.09	.93		T	.30	.06	.04																									
MERRILL	3.47		.26	1.18			.28																											
OAKLAND 1 SE	3.22	T	.29	.60	T	.23	.17	.01	T																									
SAVAGE RIVER DAM	2.87	.02	.22	1.09	T		.18	T	T																									
DELAWARE																																		
NORTHERN 01																																		
NEHARK UNIVERSITY FARM	4.33		.20	1.10		.21	.12					.02	1.07								.04													
WILMINGTON WSO ARPT R	4.27	T	.51	.65	T	.29		T																										
WILMINGTON PORTER RSVR	4.67		.52	1.10	.03	.32																												
SOUTHERN 02																																		
DOVER	2.93	.09	.45	.44		.41	.26																											
GEORGETOWN 5 SH	3.92	.23	.18	1.15	.03	.20	.41																											
GREENWOOD 2 NE	3.24	T	.06	1.27		*	.67																											
LENES	3.24	.01	.06	1.18		.49	.11							.37	.01																			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN EASTERN SHORE 01																																		
ASSATEAGUE IS NATL SEA	14	MAX OBS MIN OBS	48 66 45 45	55 66 46 53	69 66 53 53	68 65 42 49	65 52 31 31	52 47 36 33	46 61 32 32	51 64 33 40	61 59 40 33	61 48 31 31	59 61 44 46	48 43 26 36	51 55 48 48	66 60 32 35	66 63 38 38	60 68 35 35	70 72 60 63	71 74 42 42	60 60 49 49	60 62 42 42	62 62 42 42	60 60 49 49	65 65 56 56	66 66 40 40	50 53 38 35	53 49 37 30	46 46 30 30	56.8				
PRINCESS ANNE	17	MAX MIN OBS	62 48 48	60 43 43	71 54 54	70 39 50	69 50 38	53 32 42	51 42 23	47 49 25	49 57 32	66 71 50	67 48 31	55 26 44	58 26 46	59 60 48	66 32 35	63 68 38	70 72 35	72 74 60	67 67 51	60 65 51	66 66 40	50 50 38	53 53 35	47 47 27	47 47 27	61.5						
SALISBURY	17	MAX MIN	50 46	57 43	72 52	69 44	70 51	51 38	48 43	49 35	57 28	67 31	67 38	72 53	67 49	47 34	47 30	64 37	64 37	59 42	56 42	70 62	75 65	65 45	60 53	64 52	66 44	51 43	50 40	44 34	59.0			
SALISBURY FAA ARPT	MID	MAX MIN	50 46	62 48	72 43	70 40	69 45	53 38	51 34	48 30	49 26	57 29	68 34	70 54	67 31	47 30	46 28	44 35	50 43	55 38	70 44	73 61	76 52	63 43	60 54	66 55	63 44	43 32	49 29	47 29	58.9			
SNOW HILL 4 N	17	MAX MIN	51 47	57 42	71 56	69 41	69 51	54 37	51 41	49 32	49 24	57 28	69 34	71 51	65 47	49 30	47 26	45 26	58 23	64 35	55 46	55 43	69 49	75 59	76 63	65 41	60 53	63 54	65 44	51 43	49 37	48 29	59.2	
CENTRAL EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	18	MAX MIN	47 43	55 43	69 54	64 44	62 49	51 41	49 35	47 27	46 31	53 45	63 52	69 48	49 35	45 28	63 40	53 38	54 38	61 39	45 39	65 57	70 59	61 43	57 51	60 52	61 46	51 42	47 42	46 35	56.0			
VIENNA	18	MAX OBS MIN OBS	50 44 44	58 44 44	73 44	70 40	69 46	52 37	51 42	50 34	52 27	57 29	64 42	69 53	67 45	51 32	48 28	45 28	51 29	64 39	62 41	55 39	68 43	70 57	75 45	75 45	64 51	63 54	66 44	52 42	52 32	60.1		
LOWER SOUTHERN 03																																		
LA PLATA 1 W	18	MAX MIN	49 44	57 43	71 53	70 45	68 49	56 37	49 40	48 37	50 27	56 30	67 42	69 51	65 47	49 30	45 27	44 27	61 41	63 41	58 40	53 38	71 41	69 54	72 60	61 42	56 51	60 50	60 43	51 40	49 40	47 26	58.1	
MECHANICSVILLE 5 SE	19	MAX MIN	48 44	56 44	70 55	70 42	66 47	51 35	49 39	48 38	47 24	53 27	68 37	71 52	67 42	47 28	45 29	43 23	59 28	63 39	55 39	51 37	70 37	69 59	73 57	59 40	56 51	61 53	61 45	52 38	45 36	46 24	57.3	
OWINGS FERRY LANDING	17	MAX MIN	53 43	54 43	71 54	68 42	64 46	51 38	47 39	47 36	46 26	54 28	64 38	69 49	65 46	49 29	43 26	41 23	57 27	60 40	54 38	49 37	67 39	72 56	59 42	55 50	61 51	61 41	51 39	45 40	46 28	56.3		
UPPER SOUTHERN 04																																		
ANNAPOLIS POLICE BRKS	17	MAX MIN	49 43	54 40	71 52	63 43	66 46	53 34	47 39	48 36	45 29	53 31	61 43	65 49	64 46	49 32	46 29	42 26	57 32	57 40	52 37	51 37	65 45	64 42	72 55	61 42	58 42	59 42	59 41	49 40	42 28	48 28	55.7	
TIMORE WSO ARPT	MID	MAX MIN	46 43	59 43	74 46	67 40	64 43	51 36	45 36	49 29	49 28	53 29	58 39	70 50	66 37	45 30	44 29	44 31	47 43	57 37	57 38	43 41	50 55	68 47	65 42	69 50	60 52	55 40	54 40	46 34	48 27	55.7		
BELTSVILLE	OB	MAX OBS MIN OBS	48 43 43	47 42 42	61 46 46	71 39	69 47	53 38	50 39	49 33	50 24	49 27	55 34	57 45	69 44	59 32	47 29	47 24	53 28	44 39	60 40	42 36	50 39	68 46	69 58	68 39	60 43	54 50	60 37	49 37	51 38	49 26	55.6	
COLLEGE PARK	09	MAX MIN	47 43	46 43	63 46	72 42	68 50	62 39	51 40	49 35	49 26	50 29	57 44	63 46	69 45	55 32	45 29	41 27	46 30	58 41	61 40	42 36	51 41	68 49	68 61	70 42	61 50	56 52	60 39	49 39	53 41	43 28	55.8	
DALECARLIA RESERVOIR	17	MAX OBS MIN OBS	53 23 34	54 34 32	72 32	66 25	67 34	52 30	48 30	50 25	50 17	56 20	57 34	63 36	66 25	48 25	50 18	50 16	45 21	45 32	56 16	59 32	67 28	72 31	60 46	58 31	59 42	61 42	59 38	52 35	49 31	49 20	57.3	
GLENN DALE BELL STN	16	MAX MIN OBS	46 42	44 42	72 43	70 38	67 45	51 36	46 38	48 32	50 21	56 25	58 46	69 36	67 43	53 32	48 29	47 20	58 26	59 37	58 46	52 35	69 33	70 52	70 53	65 36	57 43	57 40	60 34	47 34	46 23	50 20	57.0	
LAUREL 3 W	MID	MAX MIN	46 37	58 38	72 49	67 42	65 37	51 33	48 35	48 29	51 25	55 28	58 38	67 43	66 39	46 28	49 26	45 30	55 22	55 45	51 31	49 31	65 37	67 60	68 45	61 46	53 41	60 46	58 35	52 38	44 33	47 25	55.9	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NATIONAL ARBORETUM DC	07	MAX MIN	49 44	48 43	61 47	72 42	69 45	56 40	51 40	48 35	49 26	49 29	52 29	59 44	69 46	55 35	47 28	45 25	45 29	59 35	60 40	43 36	52 39	68 47	70 58	70 41	62 40	55 50	61 39	51 39	50 38	45 29	55.7 38.6		
UPPER MARLBORO 3 NNW	08	MAX MIN	47 44	47 43	62 47	71 40	69 47	54 39	51 40	46 35	47 24	49 27	55 32	61 46	69 45	59 29	46 26	46 23	44 28	58 38	59 41	41 36	50 39	69 47	69 62	71 42	60 43	54 50	61 40	49 39	52 40	44 27	55.3 38.6		
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	47 40	56 39	72 44	66 39	60 41	52 33	41 30	49 27	48 23	57 27	61 39	72 49	66 35	45 28	42 27	45 25	55 30	56 39	41 34	51 31	67 35	66 55	71 48	55 47	62 50	59 48	56 38	52 38	46 36	47 28	55.4 36.8		
MILLINGTON 1 SE	18	MAX OBS MIN OBS	46 43	51 43	71 51	71 40	66 48	51 35	46 36	48 29	47 23	55 27	60 36	71 51	67 44	47 27	44 23	44 23	54 27	55 36	50 44	50 28	67 40	67 36	73 34	61 35	55 58	62 60	61 39	49 49	53 53	42 42	39 39	29 29	56.2 38.8
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FIEL	16	MAX MIN	51 45	71 45	68 50	63 48	48 36				45 25	52 31		69 51	67 47			42 23	52 34	52 39	50 37	48 35			69 62	62 42	56 50		48 43			46 29		M M	
BALTIMORE CITY	MID	MAX MIN	46 43	59 42	76 55	68 50	67 44	51 41	46 40	49 36	49 32	54 38	58 47	69 52	66 45	47 37	44 32	45 29	59 38	58 44	44 36	51 38	66 43	66 58	73 54	62 50	56 50	62 55	56 43	53 41	47 38	50 33	56.6 42.8		
BENSON POLICE BARRACKS	17	MAX MIN	49 44	50 39	70 50	67 41	65 46	50 37	48 39	49 32	50 25	55 31	55 42	68 49	64 44	52 33	46 28	46 26	54 31	52 39	50 36	54 39	65 37	63 48	70 52	63 43	57 49	57 52	59 42	55 38	48 37	47 29	55.9 39.7		
CATOCTIN MOUNTAIN PARK	17	MAX OBS MIN OBS	44 36	49 35	63 47	65 47	59 37	40 33	39 32	41 28	44 24	45 27	53 35	60 45	61 35	43 26	35 25	37 20	48 24	52 32	39 32	40 30	53 34	63 51	64 50	52 40	50 45	53 47	56 32	43 30	38 32	37 26	48.9 34.6		
CLARKSVILLE 3 NNE	17	MAX OBS MIN	49 41	51 41	71 51	66 35	67 43	50 34	55 38	50 30	51 20	53 25	54 38	66 46	68 41	42 29	42 24	46 20	57 23	57 39	56 35	48 35	62 39	66 51	66 57	60 41	58 49	60 50	58 37	52 32	50 34	47 25	55.9 36.8		
CONOWINGO DAM	MID	MAX MIN																																	M M
EMMITSBURG 2 SE	17	MAX MIN	46 41	50 40	70 46	65 36	62 42	48 36	44 37	46 33	45 22	53 28	48 38	65 47	65 42	47 32	41 26	41 22	48 26	48 35	46 36	44 36	48 36	60 48	65 54	56 36	56 36	56 52	56 41	56 32	43 36	44 26	52.1 36.6		
FREDERICK POLICE BRKS	17	MAX MIN	46 40	50 40	69 50	67 43	63 43	46 40	46 39	46 27	52 30	53 41	65 46	64 41	51 29	42 29	42 26	42 22	53 32	53 42	49 35	42 35	50 40	64 49	66 58	59 50	58 58	58 52	43 43	49 36	47 39	44 31	53.3 39.9		
MILLERS 4 NE	18	MAX MIN	44 39	49 38	68 49	64 44	63 41	46 35	43 37	43 31	46 21	51 31	51 42	64 49	64 40	43 31	40 26	41 22	51 29	50 39	45 33	48 34	56 39	64 50	65 50	58 41	51 47	57 50	57 38	48 32	43 34	41 25	51.8 37.2		
ROCKVILLE 1 NE	MID	MAX MIN	45 41	58 43	69 45	66 40	63 40	47 37	45 38	44 29	47 26	57 29	54 44	66 51	62 39	40 33	39 29	42 24	56 35	56 42	44 35	48 36	58 44	67 54	66 43	58 41	55 49	59 50	50 38	50 36	43 32	45 28	53.3 38.5		
TOWSON	18	MAX MIN																																	M M
UNIONVILLE	17	MAX MIN	46 40	52 40	69 46	66 36	63 42	47 33	45 33	46 32	48 30	53 26	49 38	66 40	65 41	46 28	41 23	42 17	53 23	53 36	47 36	49 35	53 42	67 50	67 50	58 33	54 48	59 51	59 34	49 29	43 33	44 22	53.3 35.6		
WESTMINSTER POL BRKS	17	MAX OBS MIN	50 39	49 38	68 47	69 45	65 41	45 32	45 37	44 30	52 25	52 31	66 41	65 40	45 31	41 28	41 26	40 22	54 29	54 39	48 33	47 34	57 34	67 45	67 55	58 42	54 46	56 54	58 46	46 35	44 38	43 31	53.1 37.9		
WOODSTOCK	18	MAX OBS MIN OBS	47 41	51 40	71 49	67 38	64 42	47 35	45 37	48 30	49 21	54 26	53 40	69 48	65 42	45 31	43 25	44 22	55 27	56 40	50 35	49 34	61 39	66 51	67 52	59 37	54 48	60 49	59 36	51 34	45 34	46 25	54.7 36.9		
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX MIN	44 40	55 43	71 37	63 38	59 38	42 36	45 32	48 23	49 25	56 32	60 45	68 38	65 30	44 30	38 21	43 21	56 27	55 39	51 36	43 37	48 43	61 48	60 46	55 46	55 47	62 40	55 37	44 37	41 30	47 33	52.8 35.8		
FROSTBURG 2	07	MAX MIN	41 38	38 35	53 37	64 42	64 38	40 31	34 30	35 29	37 23	43 23	49 30	56 42	61 34	42 24	34 23	29 18	41 17	51 40	47 35	35 31	36 29	54 36	61 51	54 41	48 41	49 43	53 35	35 32	37 31	31 25	45.1 32.8		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
HAGERSTOWN	08	MAX	46	43	58	69	66	45	46	58	45	48	52	52	65	52	43	41	41	51	51	39	43	56	65	63	55	55	62	48	49	42	51.6	
		MIN	40	39	42	50	44	37	37	33	24	25	34	44	40	30	29	23	23	33	38	35	37	41	55	39	39	49	40	34	38	30		
HANCOCK	08	MAX	45	44	60	73	68	49	49	49	48	50	56	65	58	54	44	40	44	54	56	41	44	50	64	64	58	57	59	46	49	41	52.6	
		MIN	42	42	44	35	33	39	37	34	19	22	27	40	38	32	24	19	23	28	39	27	35	42	48	35	36	49	40	36	39	34		
ALLEGHENY PLATEAU MC HENRY 2 NW	08	MAX	44	40	52	60	66	38	31	32	35	46	52	52	63	42	31	28	41	49	45	42	44	55	63	48	50	54	54	32	32	29	45.0	
		MIN	38	35	37	42	33	28	27	26	25	26	35	49	28	20	20	15	15	40	35	31	31	42	48	39	38	47	31	30	27	23		
OAKLAND 1 SE	17	MAX	45	51	64	68	63	36	32	37	47	57	54	65	61	38	33	38	52	49	46	39	58	70	64	48	59	55	50	36	33	38	49.5	
		MIN	38	36	34	35	34	29	29	27	17	28	43	45	30	22	22	12	25	44	38	33	33	50	43	40	42	44	31	29	26	25		
SAVAGE RIVER DAM	08	MAX	45	43	55	62	65	45	39	39	40	46	51	57	65	45	36	32	35	55	50	40	43	50	64	54	52	52	58	40	40	36	47.8	
		MIN	40	38	40	37	37	34	32	31	21	22	29	42	34	27	27	17	17	26	36	33	33	40	48	42	42	45	37	33	32	29		
DELAWARE																																		
NORTHERN																																		
NEWARK UNIVERSITY FARM	17	MAX	48	51	70	60	63	49	47	45	45	54	57	72	66	49	42	43	53	50	48	48	61	64	70	61	55	59	58	51	47	46	54.4	
		MIN	43	41	49	42	47	33	35	32	22	28	39	48	40	32	27	26	33	38	36	31	38	53	58	41	40	52	38	39	38	28		
WILMINGTON WSO ARPT	MID	MAX	48	59	71	64	64	50	47	45	47	52	59	72	67	45	43	44	54	51	41	50	60	65	71	60	56	60	57	53	47	46	54.9	
		MIN	45	43	50	47	42	36	33	29	26	31	42	51	40	29	29	26	36	40	38	32	41	55	47	44	49	53	40	40	38	29		
WILMINGTON PORTER RSV	MID	MAX	46	52	68	63	64	49	45	43	44	51	56	69	65	42	41	42	52	49	39	47	61	63	70	59	55	59	56	51	46	45	53.1	
		MIN	43	42	49	47	43	38	35	30	28	32	46	50	39	31	29	28	36	38	37	32	42	55	50	48	48	53	41	39	37	30		
SOUTHERN																																		
DOVER																																		
GEORGETOWN 5 SW	08	MAX	60	63	67	69	70	60	65	52	47	47	56	66	71	56	47	43	44	55	62	45	57	69	72	75	60	59	68	65	52	48	59.0	
		MIN	45	44	40	41	54	35	38	32	25	27	33	45	46	24	25	26	23	34	42	38	40	50	62	41	43	53	43	43	40	30		
GREENWOOD 2 NE	18	MAX	46	53	71	67	66	51	46	46	46	56	64	70	66	45	44	42	58	50	47	51	68	68	73	59	55	61	64	50	44	45	55.7	
		MIN	42	43	49	42	48	35	33	30	25	27	35	49	45	30	25	25	26	38	39	36	38	56	59	42	50	50	43	41	40	27		
LEWES	17	MAX	55	65	66	69	52	47	45	44	54	67	70	66	48	44	40	56	59	52	54	68	74	76	64	55	61	65	49	49	48	57.3		
		MIN	45	45	54	46	50	38	42	41	36	31	39	53	47	35	30	29	29	39	42	41	41	58	63	49	52	52	44	44	44		32	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION		DAY OF MONTH																															TOTAL OR AVG
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
UPPER SOUTHERN	04																																
UPPER MARLBORO 3 NNW																																	
WIND		-	3	40	3	25	12	9	7	6	0	28	22	39	28	31	20	1	18	3	7	28	28	35	22	6	6	5	7	5	6		
EVAP		-	-	-	15	-	12	2	2	3	5	4	4	4	13	7	6	8	6	0	2	1	3	2	17	2	0	0	5	5	8		
MAX		54	53	56	60	58	57	53	52	51	50	50	51	57	54	49	47	46	47	50	47	49	53	58	59	55	54	56	52	52	49		
MIN		53	52	52	52	52	50	50	48	43	43	43	47	50	45	43	40	40	42	46	45	45	47	53	51	51	53	52	48	46	43		

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
WIND: IS MEASURED IN MILES
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	DAY OF MONTH																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																
CENTRAL EASTERN SHORE 02																																
ROYAL OAK 2 SSW																																
UPPER SOUTHERN 04																																
BALTIMORE WSO ARPT																																
GLENN DALE BELL STN																																
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN																																
NORTHERN CENTRAL 06																																
CATOCTIN MOUNTAIN PARK																																
MILLERS 4 NE																																
ROCKVILLE 1 NE																																
WOODSTOCK																																
APPALACHIAN MOUNTAIN 07																																
FROSTBURG 2																																
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW																																
OAKLAND 1 SE																																
SAVAGE RIVER DAM																																
DELAWARE																																
NORTHERN 01																																
WILMINGTON WSO ARPT																																
SOUTHERN 02																																
GREENWOOD 2 NE																																

SNOWFALL: INCLUDES SNOW AND ICE. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE MID-MID (LST).
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE OBSERVED AT 0000 UTC (GMT).
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS (J INDEX NOTE) ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER			
							LOCAL STD TIME							
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)				
MARYLAND ABERDEEN PHILLIPS FIEL	0015006		HARFORD	39 28	76 10W	57	16	16			PHILLIPS ARMY AIRFIELD			
ANNAPOLIS POLICE BRKS	0019304		ANNE ARUNDEL	38 59	76 30W	25	17	07		C	H	ANNAPOLIS POLICE BARRACK		
ASSATEAGUE IS NATL SEA	0033301		WORCESTER	38 14	75 8W	10	14	07			H	NATIONAL PARK SERVICE		
BALTIMORE WSO ARPT	0044650	R	ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C	C	NATL WEATHER SERVICE		
BALTIMORE CITY #	0047006	R	BALTIMORE CI	39 17	76 37W	14	MID	MID		C	C	NATIONAL WEATHER SERVICE		
BELTSVILLE	0070004		PRINCE GEORG	39 2	76 53W	120	08	08	08		H	USDA CHEM & BIOPHYS LAB		
BENSON POLICE BARRACKS	0733206		HARFORD	39 30	76 23W	365	17	17			H	MARYLAND STATE POLICE		
CATOCTIN MOUNTAIN PARK	1530006		FREDERICK	39 39	77 29W	1610	17	17			C	H	CATOCTIN MOUNTAIN PARK	
CHESTERTOWN	1750005		KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR		
CLARKSVILLE 3 NNE	1862006		HOWARD	39 15	76 56W	370	17	17			H	UNIV OF MD AGRONOMY DEPT		
COLLEGE PARK	1995004		PRINCE GEORG	38 59	76 57W	90	09	09			C	H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	2006006		HARFORD	39 39	76 10W	40	MID	MID				SUSQUEHANNA ELECTRIC CO		
CUMBERLAND 2	2288207		ALLEGANY	39 38	78 45W	730	18	07			H	TIMOTHY B THOMAS		
DALECARLIA RESERVOIR	2322504		DIS COLUMBIA	38 56	77 7W	150	17	17				U S CORPS OF ENGINEERS		
DAMASCUS 2 SW	2333506		MONTGOMERY	39 16	77 14W	722	19	19			H	INACTIVE 01/01/92		
EDGEMONT	2770007		WASHINGTON	39 40	77 33W	905	07	07				JOHN W HARNE		
EMMITSBURG 2 SE	2906006		FREDERICK	39 41	77 18W	416	17	17			H	LUCILLE K BEALE		
FREDERICK POLICE BRKS	3348006		FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE		
FROSTBURG 2	3415007		ALLEGANY	39 40	78 56W	2170	07	07			H	KENNETH L CLOSE		
GLENN DALE BELL STN	3675004		PRINCE GEORG	38 58	76 48W	150	16	16			H	USDA PLANT INTRODUCT STN		
HAGERSTOWN	3997507		WASHINGTON	39 39	77 44W	660	08	08			H	HAGERSTOWN RESERVOIR		
HANCOCK	4030007		WASHINGTON	39 42	78 11W	428	08	08			C	H	TOWN OF HANCOCK	
LA PLATA 1 W	5080003		CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING		
LAUREL 3 W	5111004		PRINCE GEORG	39 6	76 54W	400	MID	MID				WA SUBURBAN SANITARY COM		
MC HENRY 2 NW	5832008		GARRETT	39 35	79 22W	2680	08	08			C	H	JOSEPH F JOHENNING	
MECHANICSVILLE 5 SE	5865003		ST MARYS	38 27	76 41W	100	19	19			H	SANDRA J HASTINGS		
MERRILL	5894008		GARRETT	39 36	79 5W	1790		09			H	DELWOOD E MERRILL		
MILLERS 4 NE	5934006		CARROLL	39 43	76 48W	860	18	18			C	H	BOBBY P MILLER	
MILLINGTON 1 SE	5985005		KENT	39 16	75 52W	30	18	18				H	HOWARD L HARVEY	
NATIONAL ARBORETUM DC	6355004		DIS COLUMBIA	38 54	76 59W	50	07	07			H	US NATIONAL ARBORETUM		
OAKLAND 1 SE	6620008		GARRETT	39 24	79 24W	2420	17	17			H	BEA J CROSCO		
OWINGS FERRY LANDING	6770003		CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN		
POTOMAC FILTER PLANT	7272006		MONTGOMERY	39 2	77 15W	270		08				POTOMAC WATER FILT PLANT		
PRINCESS ANNE	7330001		SOMERSET	38 13	75 41W	20	17	17				UNIV OF MD EASTERN SHORE		
ROCKVILLE 1 NE	7705006		MONTGOMERY	39 6	77 6W	440	MID	17			H	WASHINGTON GAS & ELEC CO		
ROYAL OAK 2 SSW	7806002		TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR		
SALISBURY	8000001		WICOMICO	38 22	75 35W	10	17	17				CITY OF SALISBURY		
SALISBURY FAA ARPT #	8000501		WICOMICO	38 20	75 31W	50	MID	MID				FAA		
SAVAGE RIVER DAM	8065008		GARRETT	39 31	79 8W	1495	08	08			08	C	H	US CORPS OF ENGINEERS
SNOW HILL 4 N	8380001		WORCESTER	38 14	75 23W	30	17	17				H	CURTIS E SHOCKLEY	
TOWSON	8877006		BALTIMORE	39 23	76 34W	390	18	18				H	ENVIRONMENTAL TECH GROUP	
UNIONVILLE	9030006		FREDERICK	39 27	77 11W	430	17	07			C		RICHARD GETZANDANNER	
UPPER MARLBORO 3 NNW	9070004		PRINCE GEORG	38 52	76 47W	100	08	08			08	H	UNIVERSITY OF MARYLAND	
VIENNA	9140002		DORCHESTER	38 29	75 50W	10	18	18					DELMARVA POWER & LIGHT	
WESTMINSTER POL BRKS	9440006		CARROLL	39 33	76 58W	765	17	17			H	MARYLAND STATE POLICE		
WOODSTOCK	9750006		BALTIMORE	39 20	76 52W	460	18	18			H	JOHN A HILTZ		
DELAWARE														
DOVER	2730002		KENT	39 9	75 31W	30	17	17			H	STATE HIGHWAY DEPT		
GEORGETOWN 5 SW	3570002		SUSSEX	38 38	75 27W	45	08	08			08	C	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595002		SUSSEX	38 50	75 35W	45	18	18			H	DANIEL M SWARTZENTRUBER		
LEWES	5320002		SUSSEX	38 46	75 8W	15	17	17				H	BOARD OF PUBLIC WORKS	
NEWARK UNIVERSITY FARM	6410001		NEW CASTLE	39 40	75 44W	90	17	17			17	C	H	UNIV OF DEL AGRIC FARM
WILMINGTON WSO ARPT	R959501		NEW CASTLE	39 40	75 36W	79	MID	MID			C	H	J	NATIONAL WEATHER SERVICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1992

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	PUBLIC WORKS

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
NOVEMBER 1992

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- AR Observation made "after rain" has occurred.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table.
- J Station also published as a Local Climatological Data publication.
- MID Observation time is midnight.
- MO Rain gage read once monthly, usually the last day.
- OC Rain gage readings vary from a few weeks to several months.
- R Amounts from recording rain gage.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- WI Rain gage read weekly or irregularly.
- WM Rain gage read weekly and last day of month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

- BLANK entries in the "Monthly Summarized Data" table indicate no record.
- BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.
- BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)
- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- + Precipitation or temperature extremes occurred on one or more previous dates during the month.
- *** Missing original temperature which has been estimated during edit.
- * Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
- // Rain gage equipped with a windshield.
- A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)
- B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).
- M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).
- R Amounts from recording rain gage.
- I Trace. An amount too small to measure.
- V Includes total for previous month(s). (See * above)

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. NOVEMBER 1992-0585

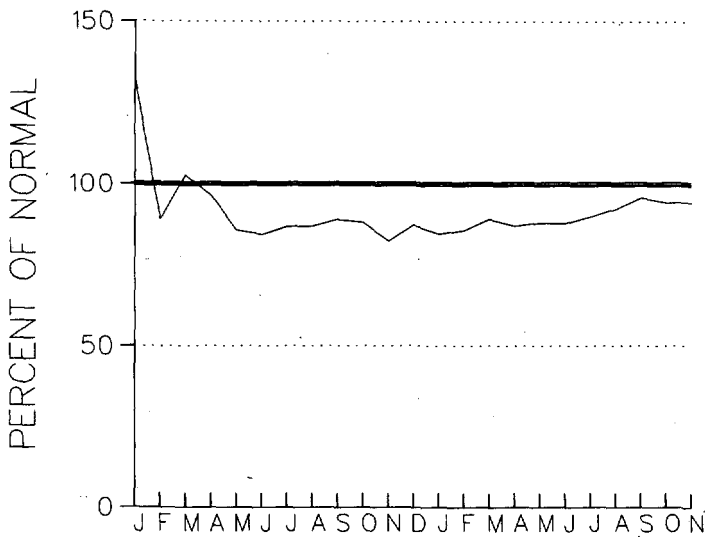
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
 FOR THE LAST 23 MONTHS
 ENDING NOVEMBER 1992
 MARYLAND

CLUSTER 1 -DIVISION(S):
 SOUTHERN EASTERN SHORE 01
 CENTRAL EASTERN SHORE 02
 LOWER SOUTHERN 03

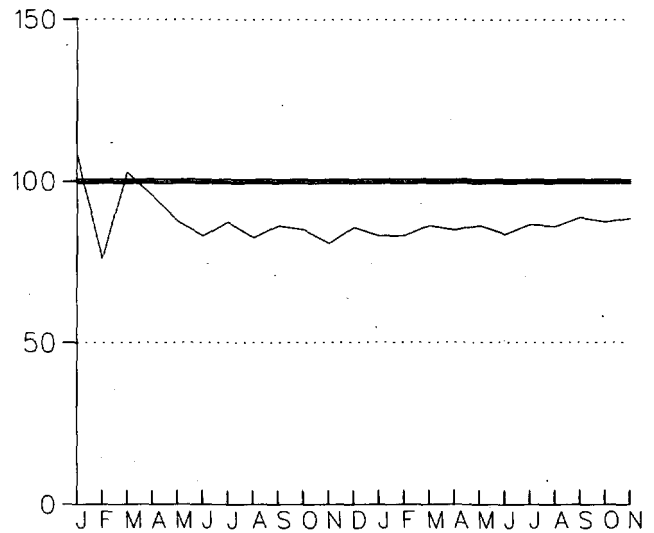
CLUSTER 2 -DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

CLUSTER 3 -DIVISION(S):
 NORTHERN CENTRAL 06
 APPALACHIAN MOUNTAIN 07

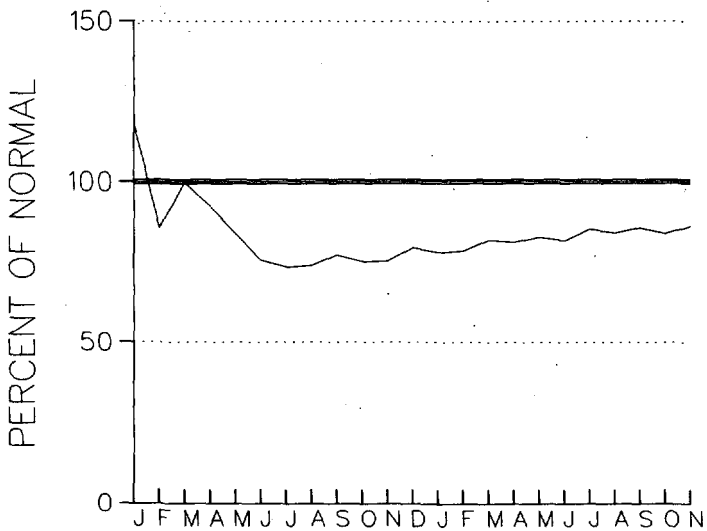
CLUSTER 4 -DIVISION(S):
 ALLEGHENY PLATEAU 08



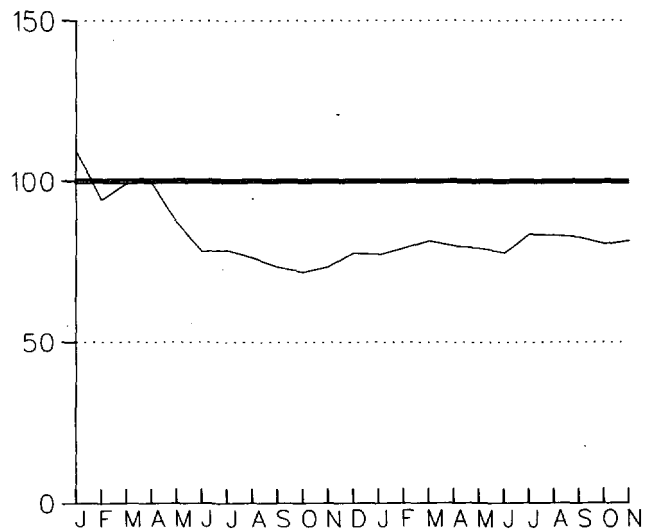
CLUSTER 1



CLUSTER 2



CLUSTER 3

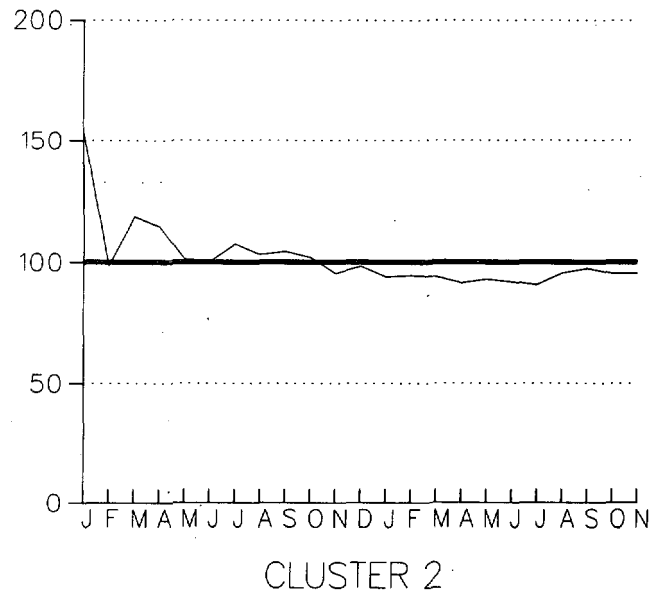
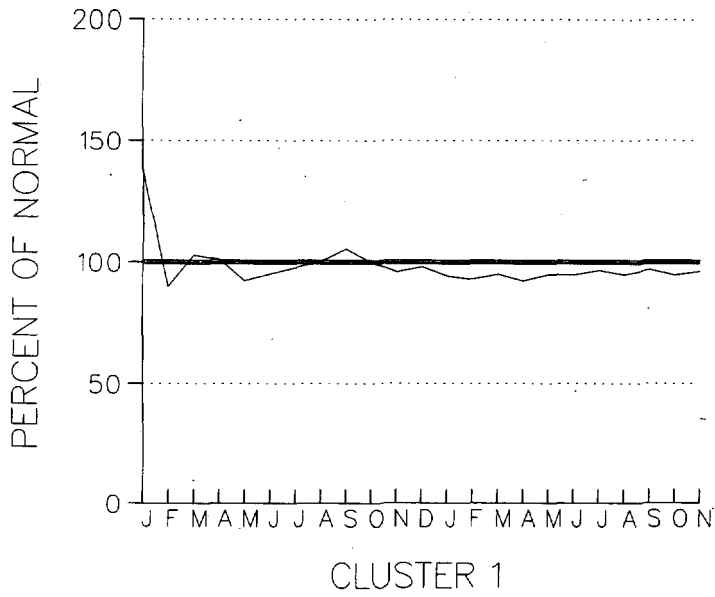


CLUSTER 4

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
 FOR THE LAST 23 MONTHS
 ENDING NOVEMBER 1992
 DELAWARE

CLUSTER 1 - DIVISION(S):
 NORTHERN 01

CLUSTER 2 - DIVISION(S):
 SOUTHERN 02



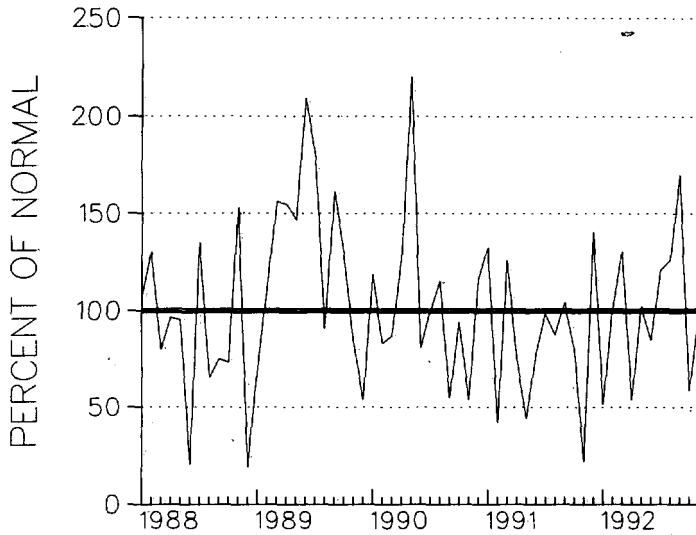
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 59 MONTHS
ENDING NOVEMBER 1992
MARYLAND

CLUSTER 1 -DIVISION(S):
SOUTHERN EASTERN SHORE 01
CENTRAL EASTERN SHORE 02
LOWER SOUTHERN 03

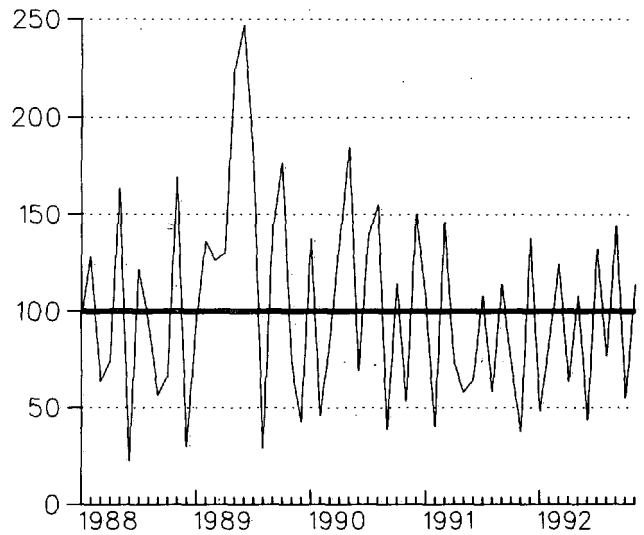
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

CLUSTER 3 -DIVISION(S):
NORTHERN CENTRAL 06
APPALACHIAN MOUNTAIN 07

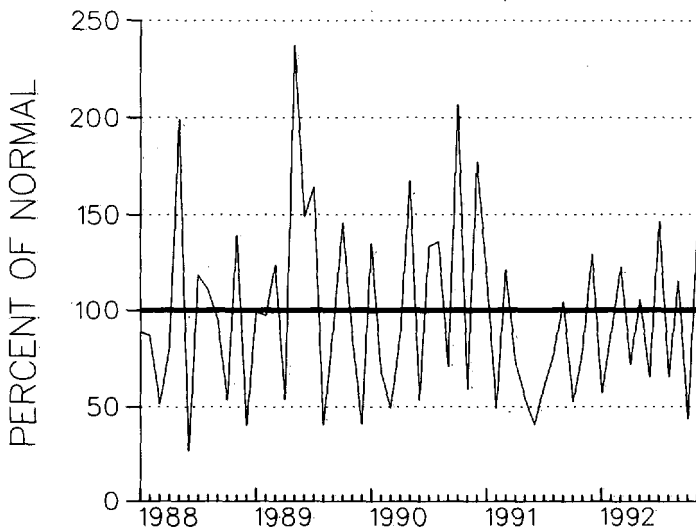
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



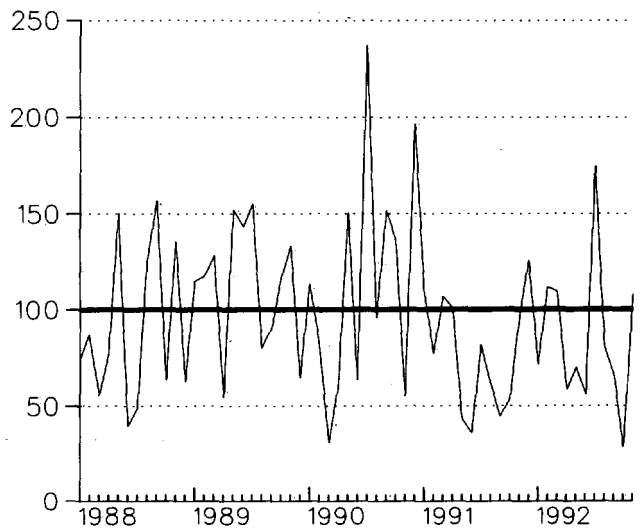
CLUSTER 1



CLUSTER 2



CLUSTER 3

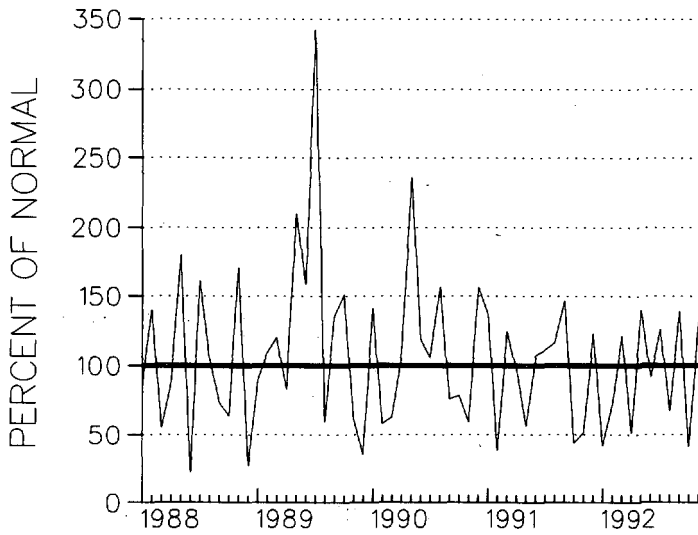


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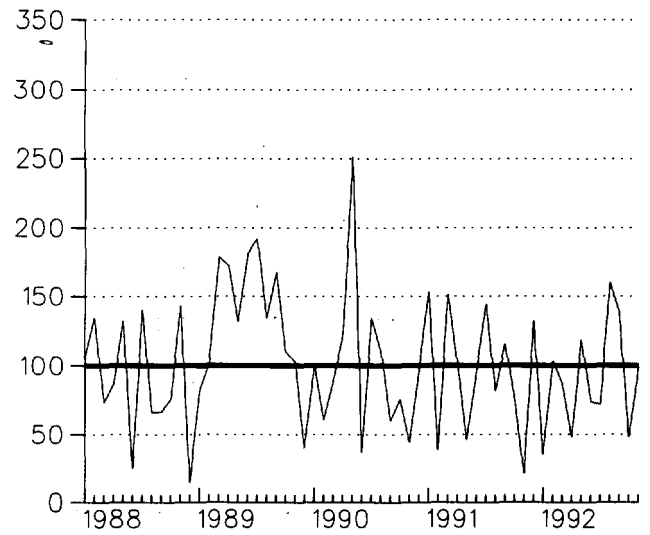
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 59 MONTHS
ENDING NOVEMBER 1992
DELAWARE

CLUSTER 1 - DIVISION(S):
NORTHERN 01

CLUSTER 2 - DIVISION(S):
SOUTHERN 02



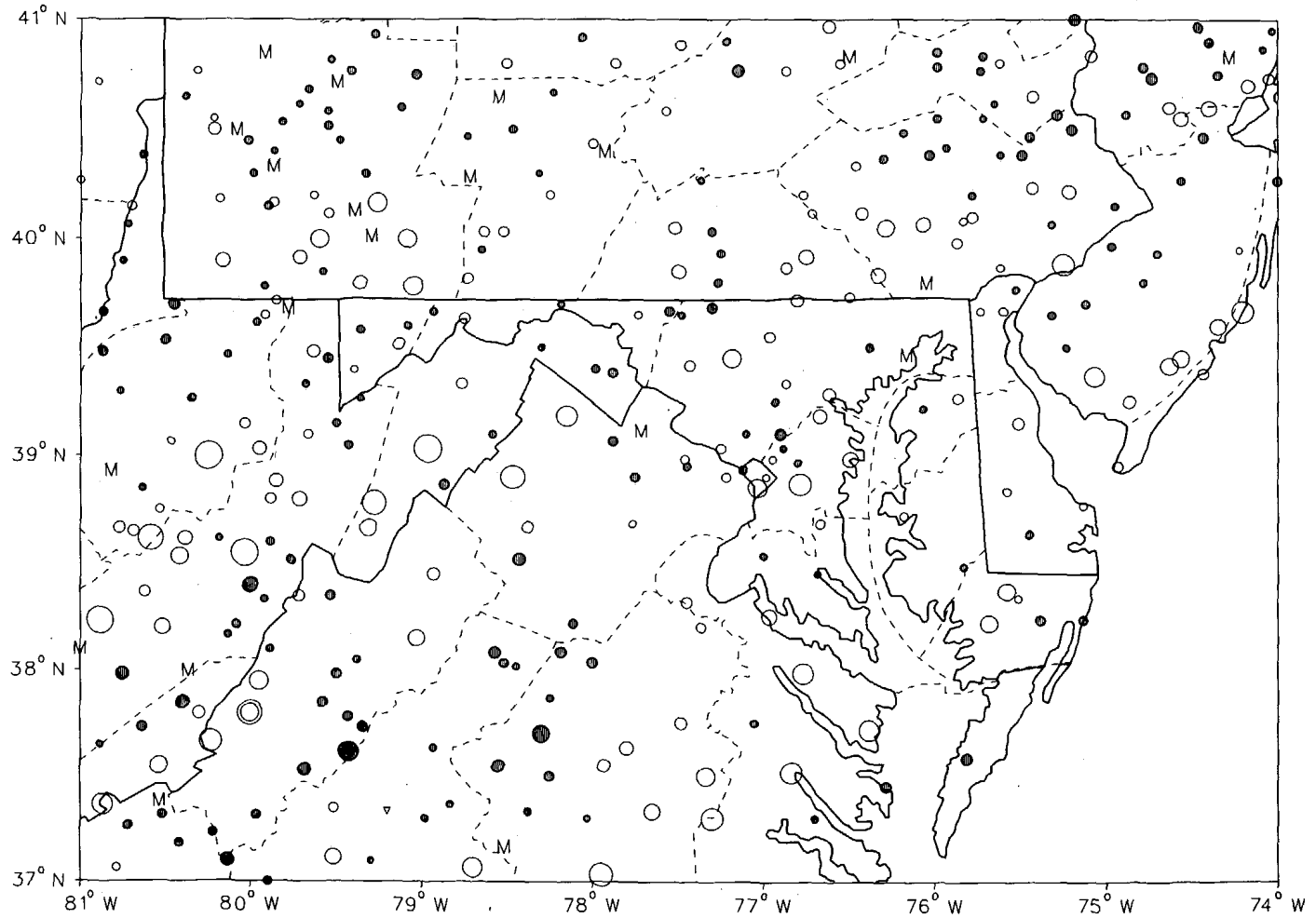
CLUSTER 1



CLUSTER 2

MONTHLY PRECIPITATION DEPARTURE FROM
 THE DIVISIONAL AVERAGE FOR
 NOVEMBER 1992
 MARYLAND & DELAWARE

- M DENOTES INCOMPLETE DATA FOR THE MONTH
- ▽ ZERO DEPARTURE
- ○ ○ ○ 5,10,20,... 50% OR MORE BELOW AVERAGE
- ● ● ● 10,20,40,...100% OR MORE ABOVE AVERAGE

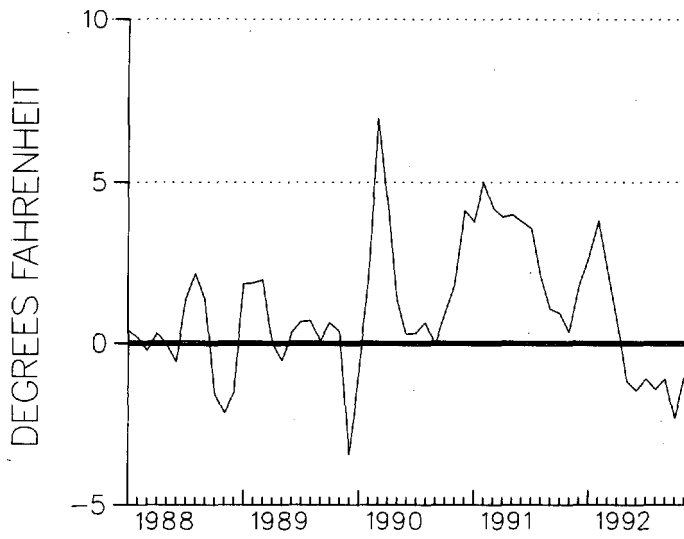


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

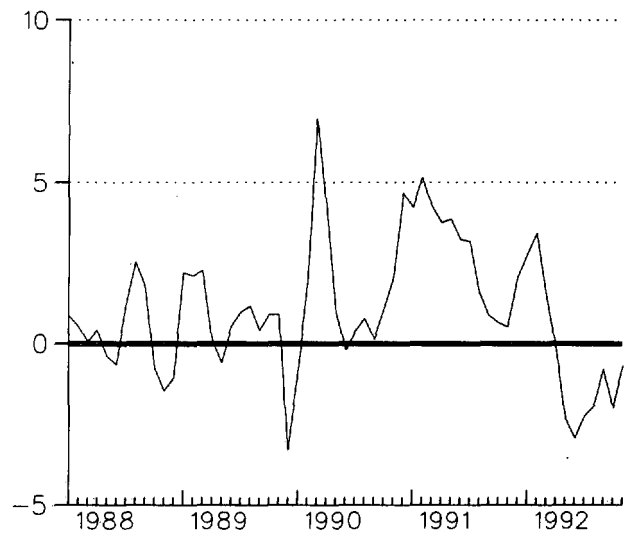
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 59 MONTHS ENDING WITH NOVEMBER 1992 DATA
DELAWARE

CLUSTER 1 - DIVISION(S):
NORTHERN 01

CLUSTER 2 - DIVISION(S):
SOUTHERN 02



CLUSTER 1

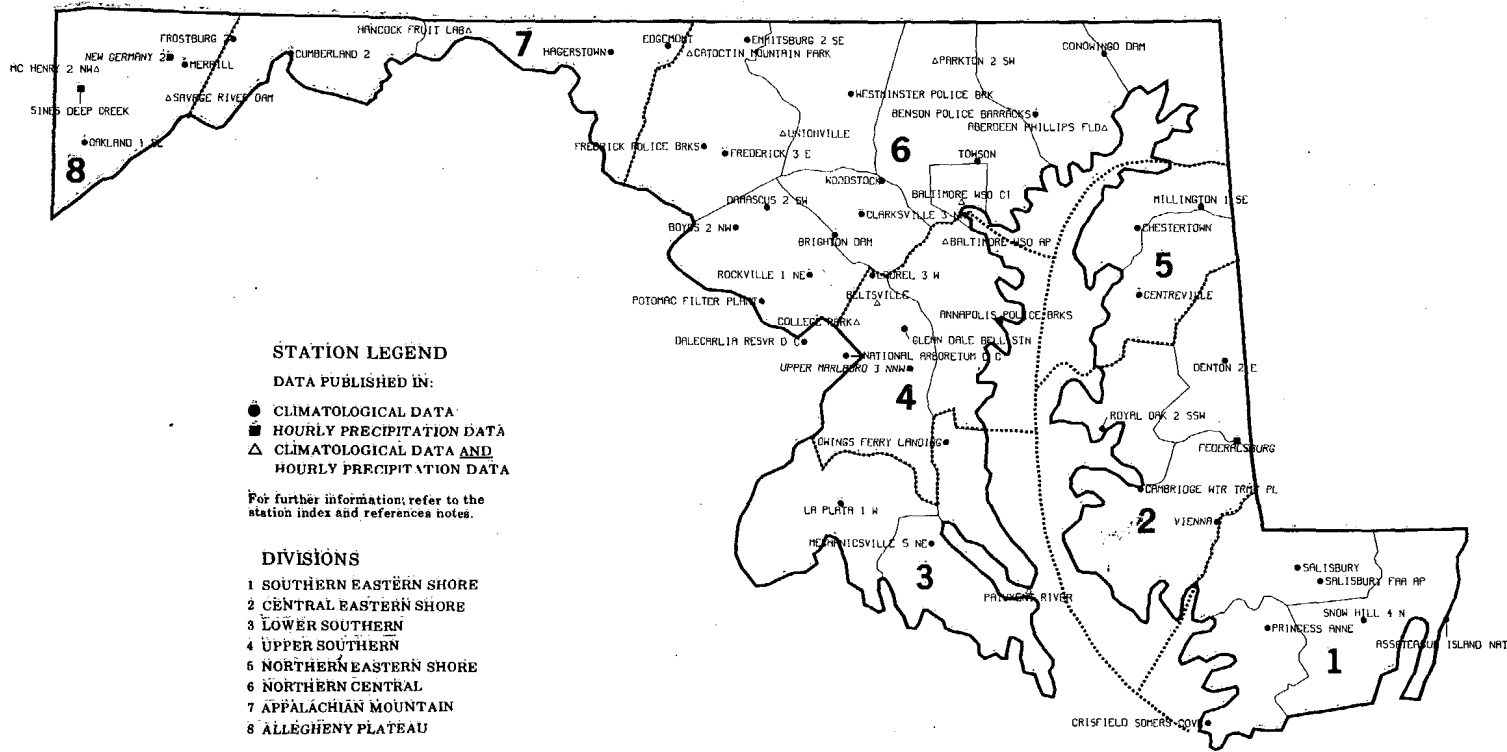
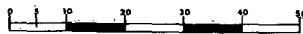


CLUSTER 2

18 - MARYLAND & D.C.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29.5 AND 45.5 DEGS.

STATUTE MILES



STATION LEGEND

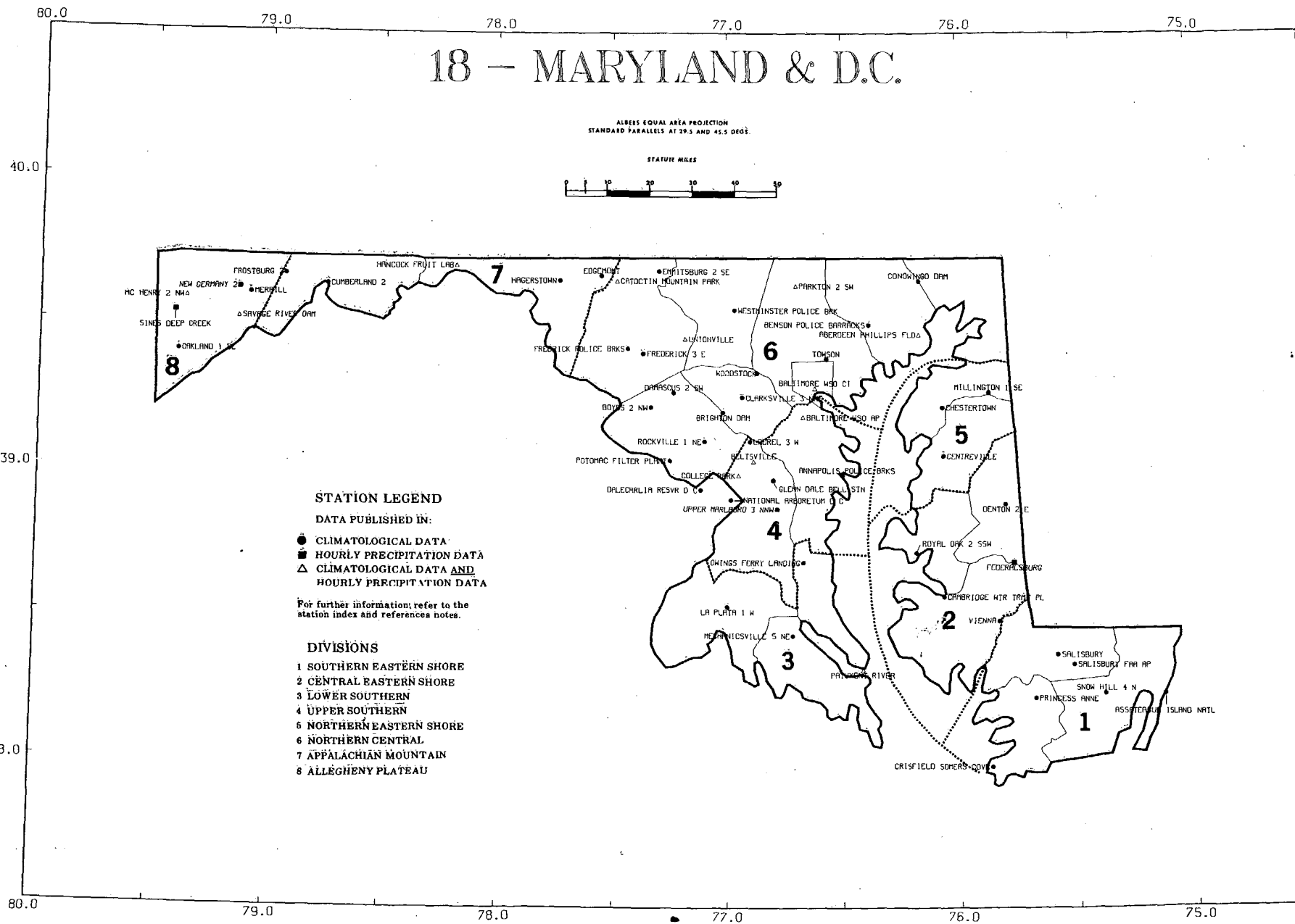
DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- ▲ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information refer to the station index and reference notes.

DIVISIONS

- 1 SOUTHERN EASTERN SHORE
- 2 CENTRAL EASTERN SHORE
- 3 LOWER SOUTHERN
- 4 UPPER SOUTHERN
- 5 NORTHERN EASTERN SHORE
- 6 NORTHERN CENTRAL
- 7 APPALACHIAN MOUNTAIN
- 8 ALLEGHENY PLATEAU



76.0
40.0

75.0

40.0

07 - DELAWARE

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.5 AND 45.5 DEGS.

STATUTE MILES



STATION LEGEND

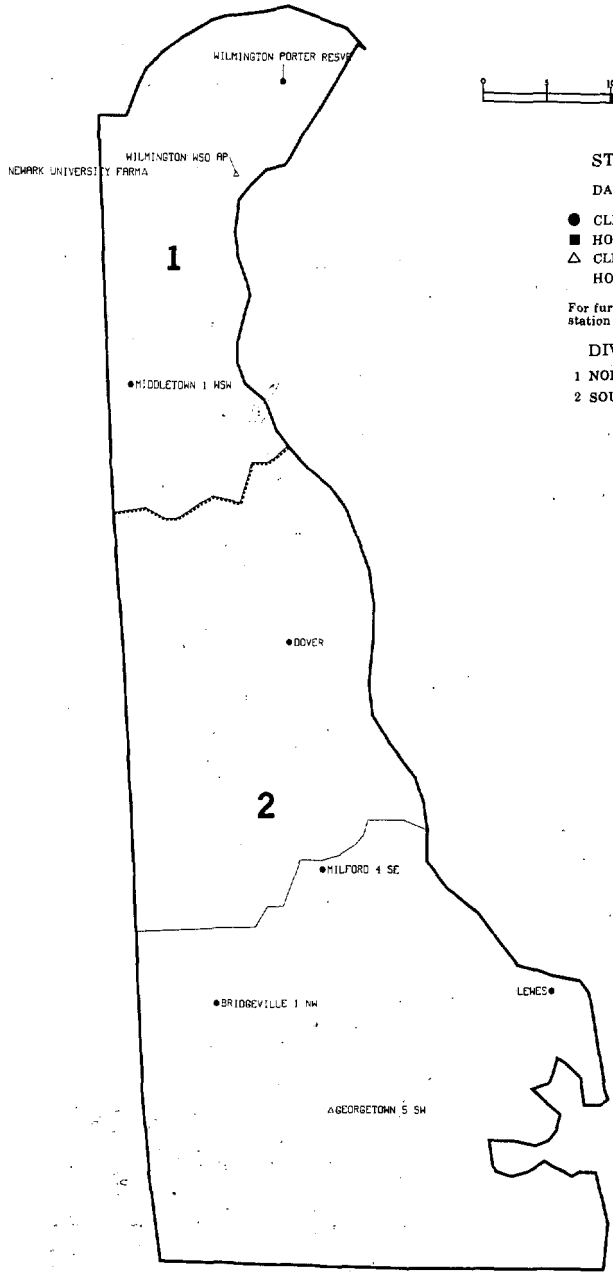
DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and reference notes.

DIVISIONS

- 1 NORTHERN
- 2 SOUTHERN



39.0

39.0

76.0
38.0

75.0

38.0

STATION	ANNUAL	MONTH											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTH CAROLINA													
ASHEVILLE WSD AP	34.57	1.11	1.85	2.75	0.57	3.55					4.19	5.28	4.28
ASHEVILLE	25.67	0.71	1.57	1.81	0.55	2.6				2.77	4.15	2.94	
ASHFORD	36.74E	1.20	2.70	2.90	0.54E	2.6				3.80	4.90	4.80	
BAKIN	-	1.30	2.60		1.24E					2.40	4.10	2.90	
B EVERETT JORDAN DAM	-	1.70	1.50	3.60							1.70		
BOCHER 5 WSA	-	1.00	2.10										
BURLINGTON 3 MNE	-	0.80	1.92E										
CAPE HATTERAS WSD	48.86	5.75											
CARYNAC 8 SE	-	1.70											
CATALOCHEE	-	0.55											
CHARLOTTE WSD AP	26.51												
CLINTON 2 NE	35.5												
DALTON													
DOBSON													
EDEN													
ELLEN													
ELLIOTT													
FAYET													
FRANKLIN													
GREENS													
GREENVILLE													
HELION													
HOBUCKER													
LAKE LODGE													
LAURENSBURG													
LEXINGTON													
MORRISVILLE 2													
MOREHEAD CITY													
MOUNT PLEASANT													
N WILKESBORO 12													
POLKTON 2 NE													
SHREVE													
RALEIGH-DURHAM WSD													
ROANOKE RAPIDS													
ROEMING GAP 1 W													
SHELDON 2													
SHEPARD FERRY 2 NE													
SHANNANDA 2 SSE													
WILKINGTON WSD AP													
WILSON 3 SW													
YORKVILLE 6 E	28												

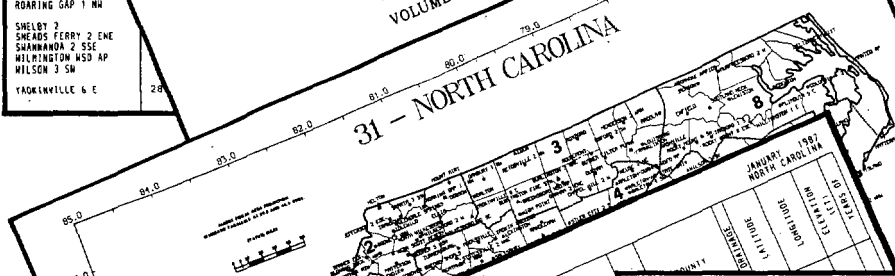
HOURLY PRECIPITATION DATA

NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

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STATION	COUNTY	STATION
NORTH CAROLINA	ASHE	ASHEVILLE WSD AP
ASHEVILLE WSD AP	ASHE	ASHEVILLE
ASHEVILLE	ASHE	ASHFORD
ASHFORD	ASHE	BAKIN
BAKIN	ASHE	B EVERETT JORDAN DAM
B EVERETT JORDAN DAM	ASHE	BOCHER 5 WSA
BOCHER 5 WSA	ASHE	BURLINGTON 3 MNE
BURLINGTON 3 MNE	ASHE	CAPE HATTERAS WSD
CAPE HATTERAS WSD	ASHE	CARYNAC 8 SE
CARYNAC 8 SE	ASHE	CATALOCHEE
CATALOCHEE	ASHE	CHARLOTTE WSD AP
CHARLOTTE WSD AP	ASHE	CLINTON 2 NE
CLINTON 2 NE	ASHE	DALTON
DALTON	ASHE	DOBSON
DOBSON	ASHE	EDEN
EDEN	ASHE	ELLEN
ELLEN	ASHE	ELLIOTT
ELLIOTT	ASHE	FAYET
FAYET	ASHE	FRANKLIN
FRANKLIN	ASHE	GREENS
GREENS	ASHE	GREENVILLE
GREENVILLE	ASHE	HELION
HELION	ASHE	HOBUCKER
HOBUCKER	ASHE	LAKE LODGE
LAKE LODGE	ASHE	LAURENSBURG
LAURENSBURG	ASHE	LEXINGTON
LEXINGTON	ASHE	MORRISVILLE 2
MORRISVILLE 2	ASHE	MOREHEAD CITY
MOREHEAD CITY	ASHE	MOUNT PLEASANT
MOUNT PLEASANT	ASHE	N WILKESBORO 12
N WILKESBORO 12	ASHE	POLKTON 2 NE
POLKTON 2 NE	ASHE	SHREVE
SHREVE	ASHE	RALEIGH-DURHAM WSD
RALEIGH-DURHAM WSD	ASHE	ROANOKE RAPIDS
ROANOKE RAPIDS	ASHE	ROEMING GAP 1 W
ROEMING GAP 1 W	ASHE	SHELDON 2
SHELDON 2	ASHE	SHEPARD FERRY 2 NE
SHEPARD FERRY 2 NE	ASHE	SHANNANDA 2 SSE
SHANNANDA 2 SSE	ASHE	WILKINGTON WSD AP
WILKINGTON WSD AP	ASHE	WILSON 3 SW
WILSON 3 SW	ASHE	YORKVILLE 6 E

STATION	MONTHLY PRECIPITATION MAXIMA					
	MINUTES	15	30	45	1	2
NORTH CAROLINA	10 20112004	18 20114004	26 22107945	38 22107945	42 18107004	48 18107004
ASHEVILLE WSD AP	20 0117415	30 0117415	40 0117415	50 0117415	60 0117415	70 0117415
ASHEVILLE	10 1910400	15 1912400	20 22107945	25 22107945	30 22107945	35 22107945
ASHFORD	10 22107945	15 22107945	20 22107945	25 22107945	30 22107945	35 22107945
BAKIN	10 22107945	15 22107945	20 22107945	25 22107945	30 22107945	35 22107945
B EVERETT JORDAN DAM	10 22107945	15 22107945	20 22107945	25 22107945	30 22107945	35 22107945

STATION	HOURLY PRECIPITATION											
	A.M. HOUR ENDING											
NORTH CAROLINA	1	2	3	4	5	6	7	8	9	10	11	12
	01	01	01	01	01	01	01	01	01	01	01	01
ASHEVILLE WSD AP	01	01	01	01	01	01	01	01	01	01	01	01
ASHEVILLE	01	01	01	01	01	01	01	01	01	01	01	01
ASHFORD	01	01	01	01	01	01	01	01	01	01	01	01
BAKIN	01	01	01	01	01	01	01	01	01	01	01	01
B EVERETT JORDAN DAM	01	01	01	01	01	01	01	01	01	01	01	01

HOURLY PRECIPITATION DATA

NORTH CAROLINA

JANUARY 1987

VOLUME 37 NUMBER 1

HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

SHELF STOCK of the printed publication is maintained only for the most recent 3 years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data is also available in digital form - on magnetic tape or floppy disk.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

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Grant Goodge - Chief
Quality Control

National Climatic Data Center
Federal Building
37 Battery Park Avenue
Asheville NC 28801-2733

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